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Principles and applications of electrochemical capacitors- *psi.ch (PDF)

R Kötz, M Carlen - Electrochimica Acta, 2000 - Elsevier

... above values depend on the double layer capacitance, the specific **surface area** of the respective **electrode** material, the wetting behavior of the **pores**, and on ...

[Cited by 586](#) - [Related articles](#) - [BL Direct](#) - [All 6 versions](#)

... of the double-layer capacitance of an high specific-area C-cloth **electrode** as titrated from ...

HA Andreas, BE Conway - Electrochimica Acta, 2006 - Elsevier

... formed from pyrolyzed organic polymers (eg **polyacene**-based polymers ... much finer mesopores (with average **pore** radius of ... since it has a high **surface area** and good ...

[Cited by 15](#) - [Related articles](#) - [All 5 versions](#)

Porous article having open **pores** prepared from aromatic condensation polymer and use ...

S Yata, Y Hato, T Osaki, K Sakurai - US Patent 4,753,717, 1988 - Google Patents

... an insoluble and infusible substrate with a **polyacene**-type skeletal ... 0.05 to 0.50, a specific **surface area**, measured by ... m²/g and containing open **pores** having an ...

[Cited by 4](#) - [Related articles](#) - [All 4 versions](#)

Fibril composite **electrode** for electrochemical capacitors

C Niu - US Patent App. 09/797,528, 2001 - Google Patents

... of activated carbon/**polyacene** are com ... based **electrodes** exhibited narrow **pore** size distribution, high accessible **surface area**, controllable density ...

[Cited by 7](#) - [Related articles](#) - [All 8 versions](#)

[CITATION] Effect of cation concentration on electrorheological activity of amorphous alumino-silicates

AW Schubring, FE Filisko - Progress in Electrorheology: Science and Technology of ..., 1995 - Plenum Publishing Corporation

[Cited by 2](#) - [Related articles](#) - [All 2 versions](#)

[PDF] *New materials and new configurations for advanced electrochemical capacitors

HE Density, R Oxides - Electrochemical Society Interface, 2008 - electrochem.org

... carbon materials are made by fine **pore**-size control ... Nano-decoration has been attempted on high **surface area** CNTs with ... with lithium ions) AC or **polyacene** as the ...

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... of the electronic conductivity of carbon molecular sieve **electrodes** on their charging ...

E Pollak, I Genish, G Salitra, A Soffer, L Klein ... - J. Phys. Chem. B, 2006 - pubs.acs.org

... electroadsorption, and the carbon **pores** are sufficiently ... charge near the carbon's **surface** (**electrode's** side) by ... Taguchi, T.; Kinoshita, H. **Polyacene** Capacitors ...

[Cited by 1](#) - [Related articles](#) - [BL Direct](#) - [All 11 versions](#)

Electrode and electrochemical device using the same

T Suzuki - US Patent App. 11/322,228, 2006 - Google Patents

... carbon black, carbon fibers, and **polyacene**; and metal ... electric capacitance cannot adhere to the fine **pores**. ... Accordingly, if the specific **surface area** of the ...

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Effect of **surface fluorination and conductive additives on the electrochemical behavior of ...**

T Nakajima, A Ueno, T Achiha, Y Ohzawa, M ... - Journal of Fluorine Chemistry, 2009 - Elsevier

... 19] and Li 4/3 Ti 5/3 O 4 /**polyacene** composite [20 ... reactions usually occur at the **surface** of a solid **electrode**, **surface area**, **surface pore** size distribution and ...

[Related articles](#)

Porous **electrodes, devices including the porous **electrodes**, and methods for their ...**

R Kuroda, A Takata - US Patent App. 11/174,527, 2005 - Google Patents

... **area** such as carbon black and **polyacene** are also ... carbon powder having a high specific **surface area** and a ... film (A) must have through **pores** (spaces) extending ...

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